

Treatment Admissions of Adolescents by Gender in Kentucky: 2000-2007.

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In Brief

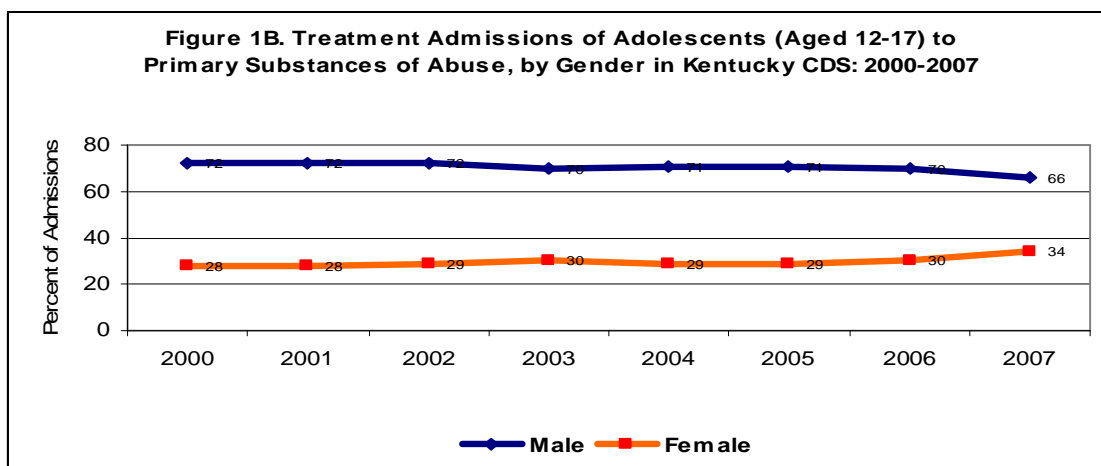
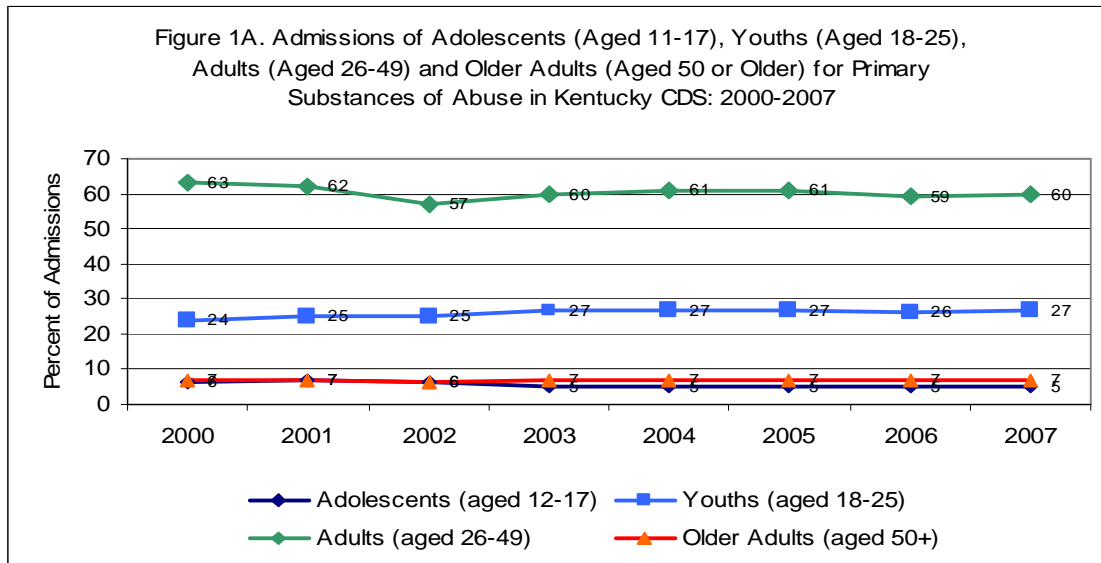
- Treatment admissions of adolescents aged 12-17 had declined from 6 percent (936 out of 14,726) in 2000 to 5 percent (763 out of 15,813) in 2007.
- From 2000 to 2007, treatment admissions of female adolescents had slightly increased from 28 percent to 34 percent, while treatment admissions of male adolescents had dropped from 72 percent to 66 percent.
- Marijuana and alcohol were two primary substances of abuse that had predominantly large proportions of adolescent admissions to treatment (61 and 28 percent in 2000; 58 and 25 percent in 2007).
- Adolescent male admissions were more likely than adolescent female admissions to report marijuana as their primary substance of abuse (65 vs. 52 percent in 2000; 63 vs. 49 percent in 2007).
- Adolescent female admissions were likely than adolescent male admissions to report alcohol (34 vs. 26 percent in 2000; 24 vs. 22 percent in 2006), opiates (3 vs. 2 percent in 2000; 10. vs. 7 percent in 2007), or stimulants (3 vs. 2 percent in 2000; 5 vs. 1 percent in 2007) as their primary substances of abuse.
- Adolescent females were more likely than adolescent males to enter treatment at younger ages 12 through 15 for alcohol (53 vs. 51 percent in 2000; 56 vs. 53 percent in 2007) and marijuana (54 vs. 52 percent in 2000; 64 vs. 53 percent in 2007).

This report examines the differences of characteristics of treatment admissions of primary substances of abuse between male and female adolescents aged 12-17, based on data from the Kentucky Client Data Set (CDS)¹, for fiscal years from 2000 to 2007.

Treatment Admissions of Adolescents

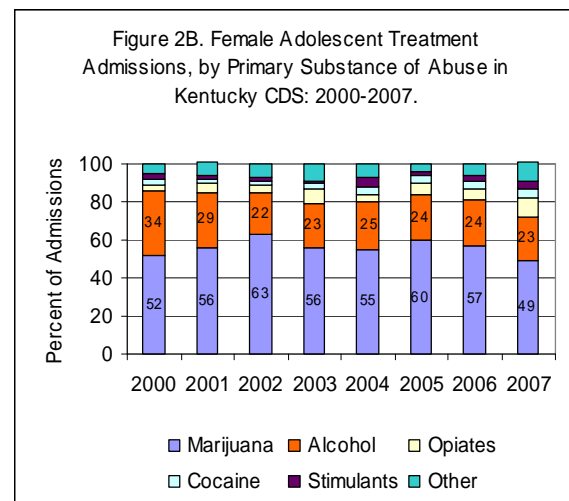
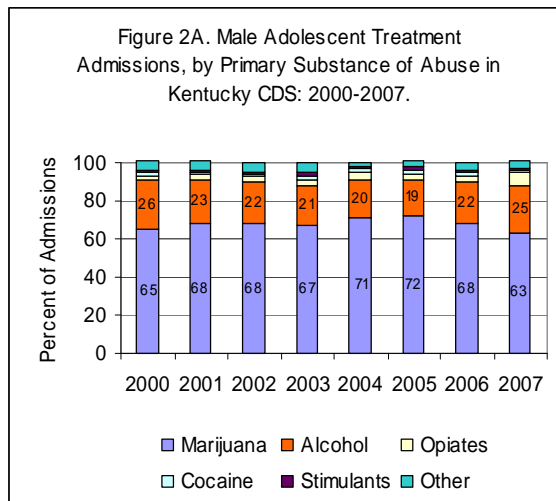
Treatment admissions of adolescents aged 12-17 for primary substances of abuse had declined from 6 percent (936 out of 14,726) in 2000 to 5 percent (763 out of 15,813) in 2007 (Figure 1A and Table 1A in Appendix).

However, treatment admissions of female adolescents had slightly increased from 28 percent to 34 percent, while treatment admissions of male adolescents had dropped from 72 percent to 66 percent from 2000 to 2007 (Figure 1B and Table 2A in Appendix).



Primary Substance of Abuse²

Marijuana was the most commonly reported primary substance of abuse for adolescents (about two-fifths) who admitted to substance abuse treatment in Kentucky from 2000 to 2007. However, data trends showed that adolescent male admissions were more likely than adolescent female admissions to report marijuana as their primary substance of abuse (65 vs. 52 percent in 2000; 63 vs. 49 percent in 2007). In contrast, adolescent male admissions were less likely than adolescent female admissions to report alcohol (26 vs. 34 percent in 2000; 22 vs. 24 percent in 2006), opiates (2 vs. 3 percent in 2000; 7 vs. 10 percent in 2007), or stimulants (2 vs. 3 percent in 2000; 1 vs. 5 percent in 2007) as their primary substances of abuse (Fig. 2A, 2B and Table 2B in Appendix).

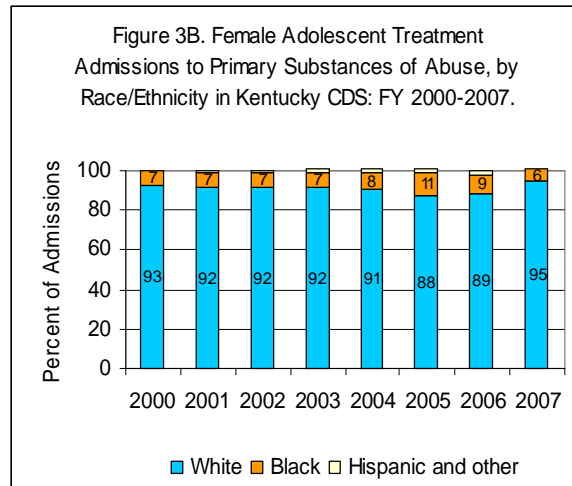
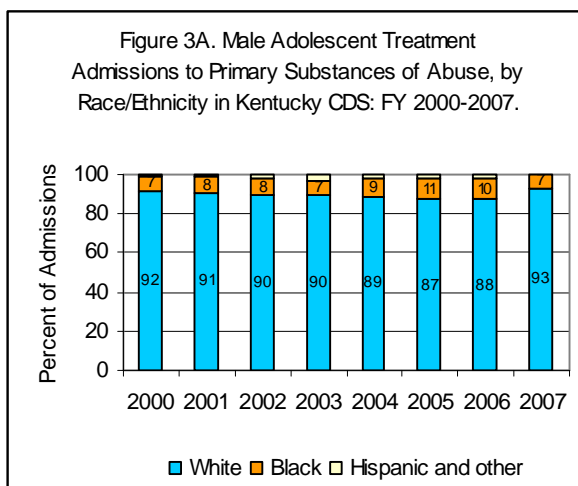


Race/Ethnicity of Admissions

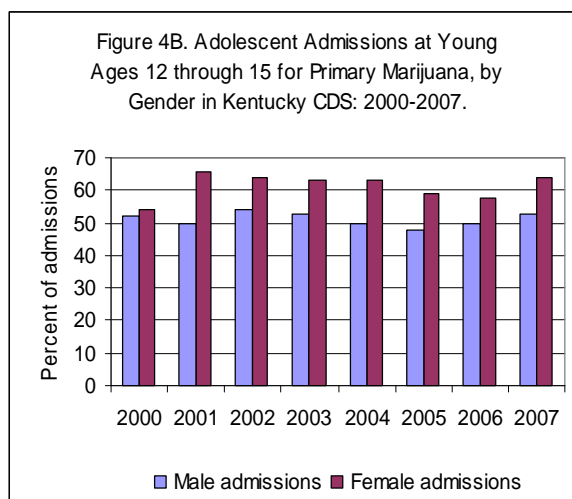
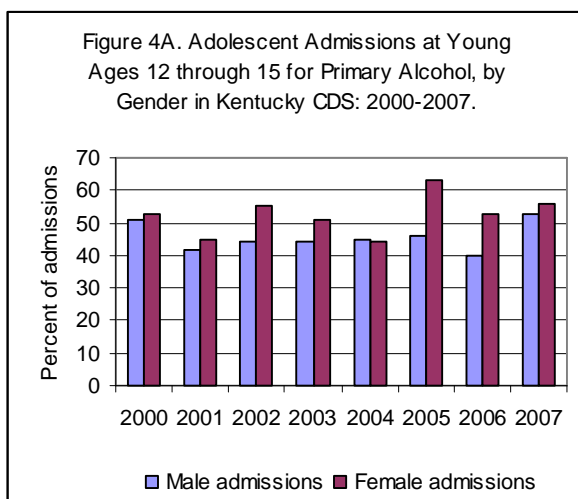
Adolescent admissions of the racial composition to treatment differentiated very slightly by gender. Adolescent female were more likely than adolescent male admissions to be White (93 vs. 92 percent in 2000; 95 vs. 93 percent in 2007) and less likely to be Black (6 vs. 7 percent in 2000; 5 vs. 7 percent in 2007) (Fig. 3A, 3B and Table 3 in Appendix).

Age groups at Admission

The majority of adolescent admissions to substance abuse treatment were at younger ages 12 through 15 for alcohol and marijuana of abuse. However, adolescent female admissions were more slightly likely than adolescent male



admissions to treatment at younger ages 12 through 15 for alcohol (53 vs. 51 percent in 2000; 56 vs. 53 percent in 2007) and marijuana (54 vs. 52 percent in 2000; 64 vs. 53 percent in 2007) (Fig 4A, 4B and Table 4 in Appendix).

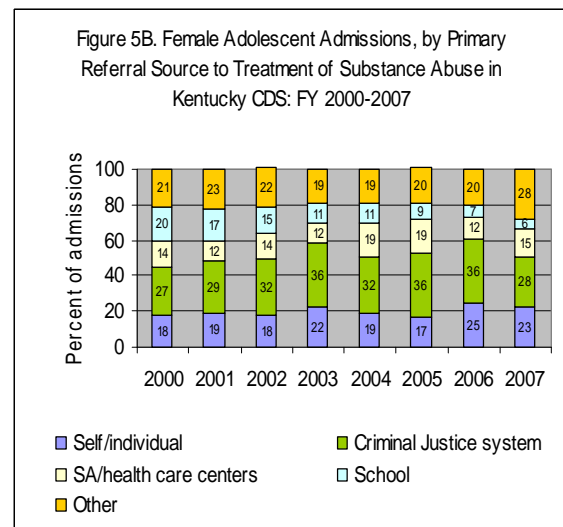
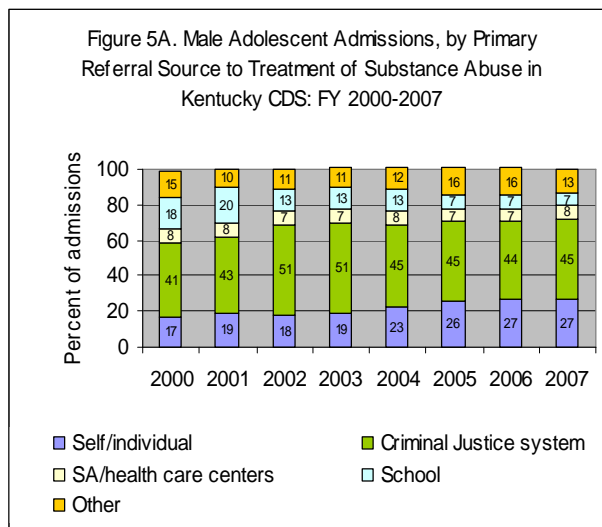


Age at First Use of Substance

About a half of adolescent admissions reported to have had first use of substances at age 13 or younger. Male adolescent admissions were about as likely as female adolescent admissions to report to have first use of substances (at 53 percent in 2000 and 50 percent in 2007). The mean ages of admissions reporting first use of substances were likely to be a little younger for male adolescents than female adolescents (12.9 vs. 13.2 years old in 2000; 13.2 vs. 13.4 years old in 2007) (Table 6 in Appendix).

Source of Referral

Most common referrals for treatment admissions of adolescents aged 12-17 were the criminal justice system; however, adolescent females were less likely than adolescent males to be referred to substance abuse treatment through this referral source (27 vs. 41 percent in 2000; 23 vs. 27 percent in 2007). Adolescent females and males were about as likely to be referred to treatment through self/individual decisions (17 vs. 17 percent in 2000; 23 vs. 27 percent in 2007) and from schools (20 vs. 18 in 2000; 6 vs. 7 percent in 2007). In contrast, adolescent females were more likely than adolescent males to be referred to treatment through alcohol/drug abuse centers and health care centers (14 vs. 8 percent in 2000; 15 vs. 8 percent in 2007) (Fig. 5A, 5B and Table 5).



Notes:

¹This report is based on data selected from the Kentucky Client Data Set (CDS) from 2001-2007, collected from 14 Community Mental Health Centers in Kentucky and maintained by the University of Kentucky's Research and Data Management Center (UK-RDMC).

²The Primary alcohol abuse is the main substance reported at the time of admission.

³Other drugs include tranquilizers, sedatives/hypnotics, hallucinogens, PCP, inhalants, the over-the-counter drugs, and other.

Treatment Admissions of Adolescents (Aged 12-17), Youths (Aged 18-25), Adults (Aged 26-44), and Older Adults (Aged 50 or Older) for Primary Substances of Abuse in Kentucky CDS: FY 2000-2007*. Number and Percent.

Treatment Admissions of Age Groups**	Fiscal Year							
	2000	2001	2002	2003	2004	2005	2006	2007
Adolescents (12-17)	6.4	6.6	5.8	4.8	4.6	5.2	5.1	4.8
Youths (18-25)	23.6	25.0	24.5	26.9	27.1	26.7	26.1	26.8
Adults (26-49)	63.3	61.5	56.9	60.0	61.2	60.7	59.2	59.7
Older Adults (50 or over)	6.5	6.7	6.1	6.5	7.0	7.0	6.8	7.1
Total admissions	14,726	17,648	18,023	18,491	18,824	17,507	18,375	15,813

*Sources: The Kentucky Client Data Set, FY 2000-2007.

**Total admissions do not include none/unknown/not reported substances.

Treatment Admissions of Adolescents (Aged 12-17), by Primary Substance of Abuse in Kentucky CDS: FY 2000-2007*. Number and Percent.

Adolescent Treatment Admissions**	All admi s- si ons	Alcohol	Opiates	Cocaine/ Crack	Mari- juana	Stimu- lants	Other
FY 2000	936	28.0	2.2	2.1	61.4	1.3	4.9
FY 2001	1,166	24.5	3.2	1.5	64.4	0.9	5.4
FY 2002	1,037	21.9	3.0	1.5	66.4	1.4	5.7
FY 2003	882	21.7	4.5	2.0	63.8	1.4	6.6
FY 2004	870	21.6	4.1	2.1	66.1	2.4	3.7
FY 2005	916	20.5	3.7	2.4	68.2	2.0	3.2
FY 2006	929	22.9	3.6	2.7	64.3	1.9	4.6
FY 2007	763	24.6	7.6	2.2	57.8	2.0	5.8

*Sources: The Kentucky Client Data Set, FY 2000-2007.

**Total admissions do not include none/unknown/not reported substances.

Treatment Admissions of Adolescents (Aged 12-17) for Primary Substances of Abuse, by Gender in Kentucky CDS: FY 2000-2007*. Number and Percent.

Adolescent Treatment Admissions by Gender**	Fiscal Year							
	2000	2001	2002	2003	2004	2005	2006	2007
Male	72.0	72.0	71.5	69.7	70.7	70.6	70.4	66.3
Female	28.0	28.0	28.5	30.3	29.3	29.4	29.6	33.7
Total admissions	936	1,166	1,037	882	866	912	926	763

*Sources: The Kentucky Client Data Set, FY 2000-2007.

**Total admissions do not include none/unknown/not reported substances.

Treatment Admissions of Adolescents (Aged 12-17), by Primary Substance of Abuse and Gender in Kentucky CDS: FY 2000-2007*. Number and Percent.

Adolescent Admissions by Gender**	All admissions	Alcohol	Opiates	Cocaine/ Crack	Mari- juana	Stimu- lants	Other
FY 2000							
Male	674	25.7	2.1	1.6	65.3	0.6	4.7
Female	262	34.0	2.7	3.4	51.5	3.1	5.3
Total admissions	936	28.0	2.2	2.1	61.4	1.3	4.9
FY 2001							
Male	840	23.0	2.5	1.4	67.6	0.7	4.8
Female	326	28.5	4.9	1.8	56.1	1.5	7.1
Total admissions	1,166	24.5	3.2	1.5	64.4	0.9	5.4
FY 2002							
Male	741	21.9	2.7	1.2	68.0	1.2	5.0
Female	296	22.0	3.7	2.4	62.5	2.0	7.4
Total admissions	1,037	21.9	3.0	1.5	66.4	1.4	5.7
FY 2003							
Male	615	21.3	3.3	1.5	67.2	1.5	5.4
Female	267	22.5	7.5	3.4	56.2	1.1	9.4
Total admissions	882	21.7	4.5	2.0	63.8	1.4	6.6
FY 2004							
Male	612	20.3	3.9	1.5	70.8	1.3	2.3
Female	254	25.2	4.3	3.5	55.1	5.1	6.7
Total admissions	866	21.7	4.0	2.1	66.2	2.4	3.6
FY 2005							
Male	644	19.4	2.5	1.7	71.6	1.9	3.0
Female	268	23.5	6.3	4.1	60.1	2.2	3.7
Total admissions	912	20.6	3.6	2.4	68.2	2.0	3.2
FY 2006							
Male	652	22.1	2.8	2.0	67.8	1.4	4.0
Female	274	24.1	5.5	4.4	56.6	3.3	6.2
Total admissions	926	22.7	3.6	2.7	64.5	1.9	4.6
FY 2007							
Male	506	25.3	6.5	0.8	62.5	1.2	3.8
Female	257	23.3	9.7	5.1	48.6	3.5	9.7
Total admissions	763	24.6	7.6	2.2	57.8	2.0	5.8

*Sources: The Kentucky Client Data Set, FY 2000-2007.

**Total admissions do not include none/unknown/not reported substances.
Other drugs include tranquilizers, sedatives/hypnotics, hallucinogens,
PCP, inhalants, the over-the-counter drugs, and other.

Treatment Admissions of Adolescents (Aged 12-17) for Primary Substances of Abuse, by Race/Ethnicity and Gender in Kentucky CDS: FY 2000-2007*. Numner and Percent.

Adolescent Treatment Admissions by Gender**	Race/ethnicity			
	White	Black	Other	Total
2000				
Male	92.4	6.7	1.0	629
Female	92.7	6.5	0.8	260
2001				
Male	91.0	7.7	1.3	754
Female	92.1	7.0	0.9	316
2002				
Male	90.0	7.9	2.1	717
Female	91.5	7.4	1.1	283
2003				
Male	90.4	6.6	3.0	602
Female	91.5	6.6	1.9	258
2004				
Male	88.8	9.1	2.1	605
Female	90.8	7.6	1.6	251
2005				
Male	87.4	11.0	1.6	644
Female	87.5	10.6	1.9	263
2006				
Male	88.4	9.9	1.7	645
Female	88.7	9.0	2.3	266
2007				
Male	91.8	7.8	0.4	497
Female	94.5	5.5	0.0	254

*Sources: The Client Data Set, fiscal years 2000-2007.

**Total admissions did not include unknown race/ethnicity.
Other race/ethnicity included Hispanics and other races.

Adolescent Treatment Admissions, by Age at Admission, Primary Substance of Abuse and Gender in Kentucky CDS: FY 2000-2007*. Number and Percent and Average Age at Admission.

Adolescent Admissions by Age and Gender**	All admissions	Alcohol	Opiates	Cocaine/ Crack	Mari- juana	Stimu- lants	Other
FY 2000							
Male							
12-13	6.8	6.5	0.0	25.0	6.5	0.0	10.5
14-15	45.3	44.1	0.0	0.0	45.7	100.0	52.6
16-17	48.0	49.5	100.0	75.0	47.8	0.0	36.8
Total admissions	400	93	3	4	278	3	19
Avg age at admission	16.0	16.1	16.8	16.4	15.9	15.5	15.9
Female							
12-13	7.2	3.8	0.0	0.0	9.5	0.0	12.5
14-15	44.9	49.1	33.3	25.0	44.2	50.0	37.5
16-17	47.9	47.2	66.7	75.0	46.3	50.0	50.0
Total admissions	167	53	3	4	95	4	8
Avg age at admission	15.8	16.0	16.3	16.3	15.7	16.1	15.9
FY 2001							
Male							
12-13	4.4	4.5	0.0	0.0	4.1	0.0	12.5
14-15	44.1	37.3	36.4	33.3	46.3	66.7	45.8
16-17	51.5	58.2	63.6	66.7	49.6	33.3	41.7
Total admissions	517	110	11	6	363	3	24
Avg age at admission	16.0	16.1	16.2	16.3	15.9	16.2	15.8
Female							
12-13	7.1	3.6	0.0	0.0	9.6	0.0	5.9
14-15	48.9	41.1	36.4	66.7	56.3	0.0	29.4
16-17	44.0	55.4	63.6	33.3	34.1	100.0	64.7
Total admissions	225	56	11	3	135	3	17
Avg age at admission	15.7	16.0	16.0	16.2	15.5	16.4	15.8
FY 2002							
Male							
12-13	6.5	6.4	20.0	0.0	5.3	14.3	14.8
14-15	46.2	37.2	40.0	100.0	48.4	57.1	40.7
16-17	47.3	56.4	40.0	0.0	46.3	28.6	44.4
Total admissions	461	78	10	2	337	7	27
Avg age at admission	15.9	16.2	16.0	16.4	15.8	15.3	15.5
Female							
12-13	11.7	7.7	40.0	0.0	10.9	33.3	16.7
14-15	49.5	46.2	0.0	0.0	53.3	33.3	41.7
16-17	38.8	46.2	60.0	0.0	35.8	33.3	41.7
Total admissions	196	39	5	0	137	3	12
Avg age at admission	15.6	15.8	15.9	17.0	15.5	15.8	15.9

Adolescent Treatment Admissions, by Age at Admission, Primary Substance of Abuse and Gender in Kentucky CDS: FY 2000-2007*. Number and Percent and Average Age at Admission.

Adolescent Admissions by Age and Gender**	All admissions	Alcohol	Opiates	Cocaine/ Crack	Mari- juana	Stimu- lants	Other
FY 2003							
Male							
12-13	6.5	3.7	0.0	0.0	6.7	0.0	14.8
14-15	44.4	40.7	55.6	33.3	46.3	50.0	29.6
16-17	49.0	55.6	44.4	66.7	47.0	50.0	55.6
Total admissions	367	54	9	3	268	6	27
Avg age at admission	15.9	16.3	16.3	16.6	15.8	15.9	15.5
Female							
12-13	9.2	8.5	9.1	0.0	9.9	0.0	10.0
14-15	50.8	42.6	54.5	50.0	53.2	0.0	60.0
16-17	40.0	48.9	36.4	50.0	36.9	100.0	30.0
Total admissions	195	47	11	4	111	2	20
Avg age at admission	15.6	15.6	16.0	16.3	15.5	16.3	15.3
FY 2004							
Male							
12-13	7.2	1.5	7.7	0.0	7.5	50.0	9.1
14-15	41.8	43.1	46.2	0.0	42.7	33.3	18.2
16-17	51.1	55.4	46.2	100.0	49.8	16.7	72.7
Total admissions	376	65	13	2	279	6	11
Avg age at admission	15.9	16.2	16.0	16.8	15.8	14.8	15.9
Female							
12-13	6.2	7.3	0.0	0.0	6.5	0.0	10.0
14-15	52.0	36.6	57.1	100.0	56.5	40.0	70.0
16-17	41.8	56.1	42.9	0.0	37.0	60.0	20.0
Total admissions	177	41	7	1	108	10	10
Avg age at admission	15.6	15.9	16.0	16.8	15.4	15.8	15.5
FY 2005							
Male							
12-13	7.5	1.7	10.0	0.0	8.2	25.0	14.3
14-15	40.5	44.8	20.0	40.0	40.1	25.0	50.0
16-17	51.9	53.4	70.0	60.0	51.7	50.0	35.7
Total admissions	385	58	10	5	294	4	14
Avg age at admission	15.9	16.2	15.9	16.4	15.9	16.3	15.6
Female							
12-13	4.1	4.9	25.0	0.0	3.6	0.0	0.0
14-15	56.5	58.5	25.0	50.0	55.9	25.0	100.0
16-17	39.4	36.6	50.0	50.0	40.5	75.0	0.0
Total admissions	170	41	4	4	111	4	6
Avg age at admission	15.8	15.7	16.5	16.4	15.7	16.2	15.5

Adolescent Treatment Admissions, by Age at Admission, Primary Substance of Abuse and Gender in Kentucky CDS: FY 2000-2007*. Number and Percent and Average Age at Admission.

Adolescent Admissions by Age and Gender**	All admi s- sions	Alcohol	Opiates	Cocaine/ Crack	Mari- juana	Stimu- lants	Other
FY 2006							
Male							
12-13	6.1	9.7	0.0	0.0	5.7	0.0	4.8
14-15	41.7	30.6	27.3	25.0	44.7	16.7	57.1
16-17	52.3	59.7	72.7	75.0	49.6	83.3	38.1
Total admissions	396	72	11	4	282	6	21
Avg age at admission	15.9	16.2	16.2	16.6	15.9	16.1	15.5
Female							
12-13	5.8	2.5	33.3	33.3	5.6	0.0	7.7
14-15	53.5	50.0	33.3	0.0	52.8	60.0	84.6
16-17	40.7	47.5	33.3	66.7	41.7	40.0	7.7
Total admissions	172	40	3	3	108	5	13
Avg age at admission	15.8	15.9	16.5	16.5	15.7	16.1	15.0
FY 2007							
Male							
12-13	4.8	1.4	0.0	0.0	6.1	0.0	14.3
14-15	46.6	51.4	40.9	50.0	46.4	0.0	42.9
16-17	48.6	47.3	59.1	50.0	47.4	100.0	42.9
Total admissions	311	74	22	2	196	3	14
Avg age at admission	15.9	16.0	16.0	16.3	15.9	16.5	15.5
Female							
12-13	13.2	8.8	9.1	14.3	15.4	0.0	16.7
14-15	47.4	47.1	54.5	14.3	48.7	50.0	50.0
16-17	39.5	44.1	36.4	71.4	35.9	50.0	33.3
Total admissions	152	34	11	7	78	4	18
Avg age at admission	15.8	15.9	16.1	16.2	15.6	16.2	15.4

*Sources: The Kentucky Client Data Set, FY 2000-2007.

**Total admissions do not include unknown/invalid age.

Treatment Admissions of Adolescents (Aged 12-17) for Primary Substances of Abuse, by Primary Referral Source and Gender in Kentucky CDS: FY 2000-2007*. Number and Percent.

Adolescent Treatment Admissions by Gender**	Primary Referral Source					Total admissions
	Self/ individual	Crimi- nal jus- tice	SA/ hlth care ctrs	School	Others	
2000						
Adolescent Male	17.4	40.5	8.3	18.4	15.4	662
Adolescent Female	17.6	27.2	13.8	20.3	21.1	261
2001						
Adolescent Male	19.2	43.1	7.7	19.6	10.3	764
Adolescent Female	18.9	29.2	11.5	17.3	23.1	312
2002						
Adolescent Male	18.0	51.0	6.5	13.4	11.1	694
Adolescent Female	17.9	31.9	13.6	14.7	22.0	273
2003						
Adolescent Male	18.7	50.5	6.6	12.8	11.4	546
Adolescent Female	22.2	36.0	12.0	11.1	18.7	225
2004						
Adolescent Male	22.7	44.6	7.9	13.2	11.5	607
Adolescent Female	19.1	31.5	19.1	11.2	19.1	251
2005						
Adolescent Male	25.7	44.8	7.2	6.8	15.6	643
Adolescent Female	16.9	35.6	18.7	9.4	19.5	267
2006						
Adolescent Male	27.1	43.7	6.6	6.6	16.0	650
Adolescent Female	25.3	35.9	12.1	7.0	19.8	273
2007						
Adolescent Male	27.0	44.5	8.3	6.8	13.3	503
Adolescent Female	23.0	27.7	15.2	5.9	28.1	256

*Sources: The Client Data Set, fiscal years 2000-2007.

**Total admissions did not include unknown primary referral source.

Treatment Admissions of Adolescents (Aged 12-17) for Primary Substances of Abuse, by Age at First Use and Gender in Kentucky CDS: FY 2000-2007*. Numner and Percent and Average Age at First Use.

		Ages at First Use				Total admi- si- ons
Adol escent Treatment	Admi ssi ons by Gender**	Under 14	14- 15	16- 17	Avg. age	
2000						
Adol escent	Mal e	53. 0	36. 7	10. 4	12. 9	570
Adol escent	Femal e	52. 6	34. 4	12. 9	13. 2	209
2001						
Adol escent	Mal e	53. 3	35. 7	10. 9	13. 0	624
Adol escent	Femal e	54. 8	33. 7	11. 5	13. 2	252
2002						
Adol escent	Mal e	51. 4	34. 9	13. 7	13. 1	593
Adol escent	Femal e	51. 6	38. 0	10. 4	13. 1	221
2003						
Adol escent	Mal e	49. 3	35. 3	15. 4	13. 2	590
Adol escent	Femal e	54. 3	33. 6	12. 1	13. 1	247
2004						
Adol escent	Mal e	48. 6	35. 2	16. 2	13. 2	506
Adol escent	Femal e	47. 4	39. 0	13. 6	13. 4	213
2005						
Adol escent	Mal e	48. 7	34. 2	17. 1	13. 2	503
Adol escent	Femal e	48. 3	37. 7	14. 0	13. 4	207
2006						
Adol escent	Mal e	49. 3	34. 3	16. 4	13. 4	641
Adol escent	Femal e	43. 3	39. 6	17. 0	13. 6	270
2007						
Adol escent	Mal e	50. 3	32. 7	17. 0	13. 2	495
Adol escent	Femal e	49. 6	34. 0	16. 4	13. 4	244

*Sources: The Client Data Set, fiscal years 2000-2007.

**Total admissions did not include unknown/invalid age at first use.